Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/24/2021 09:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124974	-1	2.11	125050	2.19
Blue	F	SSC	125000	124598	-1	3.23	125462	3.33
Blue	E	FITC	14203	13854	-3	2.94	301	15.17
Blue	D	PE	25703	25463	-1	2.45	551	10.91
Blue	B	PerCP-Cy5-5	42104	41217	-3	3.36	919	14.67
Blue	A	PE-Cy7	34646	34376	-1	4.69	484	29.99
Red	C	APC	49824	48766	-3	2.95	1490	11.36
Red	A	APC-Cy7	39773	38683	-3	2.88	718	12.03
Violet	B	V450	7447	7033	-6	3.97	399	12.77
Violet	A	V500	31193	29791	-5	3.80	679	10.23

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21819	2.54	555	-1	N/A	N/A	Pass
Blue	F	SSC	55294	2.54	518	6	N/A	N/A	Pass
Blue	E	FITC	56	51.89	487	1	0.0407	75	Pass
Blue	D	PE	110	37.53	489	4	0.3213	206	Pass
Blue	B	PerCP-Cy5-5	176	36.48	580	3	0.0194	80	Pass
Blue	A	PE-Cy7	110	65.68	625	5	0.0214	3	Pass
Red	C	APC	349	23.70	568	1	0.0282	94	Pass
Red	A	APC-Cy7	199	24.71	545	1	0.0059	424	Pass
Violet	B	V450	89	41.37	449	0	0.0467	1654	Pass
Violet	A	V500	120	28.12	467	0	0.0238	461	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.08	-31.88	1.04
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	19.95	15.99 - 23.99	N/A	N/A	30.28	30.51	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 10222

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments